		1	No.	1	U	7 <b>0</b> ,	o),	1								*9					
		1	Š	19	8	,	est.				Y092	XET NO. 7-074	! <del>  •</del>	703 3		_					
. L	IST (			<b>E</b>	ÑO	•		TED BY A		ANT	J. G. Bednorz et al										
	(	Usc	ser	rerai	sh	eet	s i	l necessary	r)		FILING OATE  5   22   87										
	_			_	-	_	-		U.S.	PATENT	DOCUMENTS		——								
XAMINER		00	CUA	ENT	NU	мве	R	DATE			NAME		CLASS	SUBCLASS	FILING IF APPRO	G OATE					
	AA		П	T	Т	П	1														
	A8		П	Ť	t	H	1														
	AC		Н	+	t	Н	+		-												
	AD	T	H	+	t	П	1														
	AE		Н	+	t	H	1														
	AF			T	t		1														
	AG		П	T	T																
	АН		П	Ť	T		1														
	Al		П	T	T																
	AJ		П	T	Γ																
	AK																				
			_		_		_		FOREI	GN PATE	NT DOCUME	NTS									
		DOCUMENT NUMBER						DATE		COL	INTRY		CLASS	SUBCLASS	TRANSL	NO					
	AL					П	1	9													
	АМ			T	Ī																
•	AN				Γ	П															
	AO			Τ	Ī	П	1														
	AP			Ţ											-						
												Pertinent Pa									
N	AR	Į,	Ż.	P	14.	s .[	3	-Conden	sed N	latter	64,189-1	193 (1986)	) "Possil	de High	To Su	oer-					
1/1	_		60	ndi	ıc.	hυ	it,	in the	Ba-La	-Cu-0	System"	by J.G.	Bednorz	etal	′						
V	AS_	2.	Re,	J4e	de	C	ĥ	nie mine	erale,	t.21	1984, p.4	07, "Oxy vskiks"	gen In	tercala	tioù in	Mixed					
1	_	-3	M.	+ 6	ر (	A	1	1/: / 2A	2 10/	1-1-11	1985 Pro	ALLES D	141	א לדליי	41						
(1/4)	A.T	J.	De	€0-	₩.	$\rho_{a}$	<u>//.</u>	vskite	A. /a	C 0	1 M.	gamon Pro tallic Deti	1 LIQ	ine O		/ /					
XAMINE	?	_/	7	<u>,εc</u> 1h		R	1	1	va cal	~ce_∨,	BATE CONS	IDERED )	COT 6	4 . 1111	CHE /	etal					
		_/_	/ '			1		'			// /	1// 4 "									

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## ATTY. DOCKET NO Y0987-074 J. G. Bednorz eta LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) 5/22/87 U.S. PATENT DOCUMENTS \*EXAMINER DOCUMENT NUMBER NAME CLASS SUBCLASS FILING DATE DATE AB AC AD ΑE AF AG Δī AJ ΑK FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES ٨L ΑМ AN ΑO AP OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) "Two-Band Superconductivity in

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

EXAMINER

LI	ST	OF R	FER	EN	CES	CI	TED BY	APPLICANT	70987-074 9-1033,307 APPLICANT BEDNOTZ et al										
	(	Use :	ever	al:	shee	ets i	f necessar	y)	5/22/87										
								U.S. PATEN	T DOCUMENTS										
XAMINER HITIAL		000	UMEN	4T N	UME	ER	DATE		HAME		CLASS	SUBCLASS	FILING DATE						
	AA		Ц	Ш	1	$\perp$													
	AB	Ц		Ш	1	1													
	AC		1	Ц	1	L													
	AD		L	Ш	4	L								1					
	ΑE	Ц	$\perp$	Ц	4	Ļ						ļ							
	AF		$\perp$	Ц	4	1								-					
	AG		$\perp$	Ц	1	1		-2		X									
	AH		$\perp$	Ц	4	1			-										
	Al		-	Ц		1							-						
	AJ		1		4	+													
	AK	Ш	L		J	L		·											
				_		_			ENT DOCUMENT	,	CLASS	SUBCLASS	TRANSL	ATION					
		OOCUMENT NUMBER					DATE	·	JUNTRY		CLASS	SORCEASS	YES	NO					
	AL		Н		1	1								-					
	ММ	Ц	Ш	Ц	4	$\perp$													
i	AN		Ш	Ц	1														
	AO	4		Ц	1														
	AP					Ш		L		1		<u></u>		<u> </u>					
		a L	- 1	DTH	ER	RE	FERENCES	(Including Auth	or, Title, Date, P	ertinent Pag	(os, Erc.)								
M	ĀR	4 /	late	114	ls,	Ke	search,	Physics log	lay, Oct. 1	984, pp	. 60-68	", "Super	condu	<u> triig</u>					
A' +		V	late	2110	1/s	: 1	Su /VI.	K. Densley	eTal					-					
NS	AS.	5/	lid	S	ta	te 1	Dmmun!	cations, Vol.	17, pp. 21-2	8, 1915,	High.	<u>.Temperc</u>	ture						
		_ [	Upe	rc.	nd	uС	tivity in	the Bath,	Bi O Sy	stem b	y A.W	. Sleigh	et	2/_					
′ 1	AT	6.N	lat.	Res	r.B	4//	Vol.8,	op M1-184,	17, pp. 21-2 Bi O Sy 1913 , "High	Tempen	nture S	upercond	utivi	ty is					
M				٠.	<i>!</i> ·	Λì	T	Suctom" h.	)) C /a.	hnson	et al	/							
Jh		#	e 1	1-1	<i>y</i>	<u>u</u>	ernary.	34216111	DATE CONSID	E0E0	<u> </u>								
XAMINER		_ <del>#</del>	19	1-1 7	R	y)	ernary.	Jysiciii o	D. C. Jo	ERED //3	<u> </u>								

	LIST_OF_REFERENCES - CITED BY APPLICANT=							· ·		Y0987-07	4. 1	\$50 NO.				
٠. ٢	IST.	OF .	REI	ER	ENG	ES	CI	TED BY	APPLICANT	J. G. Bedr	ora e	tal				
								necessar		5122187		GROUP				
					_				U.S. PATENT	DOCUMENTS						
EXAMINER INITIAL		00	CUI	MEH	TN	IMBI	ER	DATE		NAME	CLASS	SUBCLASS	FILING DATE			
	AA															
	A8		-			T										
	AC			П		T	П									
	AD			П	T	T										
	ΑE	T	T	П	Ť	1	П				1					
	AF	T	Î	П	T											
	AG		I	П	T	Ť					1					
	АН	T	T	Ħ	Ť	Ť	П									
	AI	Γ		П	T	T	П									
	LA	Г	T	П	Ť	T	П									
	AK	T			T	T	П				1					
		_	ш	٠			ш		FOREIGN PATE	NT DOCUMENTS				-		
		00	CUN	MENT	NU	мве	CLASS	SUBCLASS	TRANSL	ATION						
	AL	╁											YES NO			
		╀	Н	+	+	+	Н							8		
	MA	L	Н	4	+	+	Н					-		-		
	AN	_	Н	4	+	ļ	Ц					-				
	AO	L	Н	4	+	1	Ц					1				
	AP				1	L							-	-		
		1.		-0	THE	R	REF	ERENCES	(Including Author	, Title, Date, Pertinent I	ages, EIC.)					
an	AR	10	I,	<u>bar</u>	ak	1 1	4/6	ctrial	Lomm. Lab,	New Devices U	sing Su	perconduc	trig			
77		L	Вa	.Pt	ی0'	7 B	in	<u> 20, (</u>	BPB) Thin	Films " by 1.1	Nurak 4	ni etal				
QK	AS	11	Jo	p,	Jo	urn	4	SAPP	1. Phys. Vol.	"New Devices U Films" by T. 1 21, No. 7, July 1	982 pp	1437-19	39			
/		-	1.7	lm/	er:	oto	r.o	Dogond	ence of Max	DC Johnson Cu	crout th	much Go	rini.			
J)	AT	_	B	our	de	r	IJ	unction	in BaPbo.	DC Johnson Cu	ns" by	MSuzuki	et al	/		
EXAMINE	?	•	J.	'n		13	1/	1		DATE CONSIDERED						
*EXAMINE	R I	116	7.,	refer	enc	e co	nsia	dered, when	her or not citation of this form with n	s in conformance with M ext communication to app	PEP 609; Di	ow line throug	h citation	ifnot		

									Y0987	7-074	' <del>'</del>	7033	.30	7					
L								APPLICANT	APPLICANT	J. G. Bednorz etal									
	- 1	Use	sev	eral	she	ets	if necessar	y)	FILING DAT	FILING DATE   GROUP									
		-		_				U.S. PATE	NT DOCUMENTS										
EXAMINER		00	CUMI	ENT	NUM	BER	DATE		NAME		CLASS	SUBCLASS	FILING DATE						
	АА					T													
	AB		H	t	H	t													
	AC	-	H	t	Ħ	$^{+}$	-					<del>                                     </del>							
	AD		H	t	$^{\dagger\dagger}$	+	-												
	AE	H	H	+	Н	+													
	AF	-	H	+	Н	+							_						
	AG	H	H	t	H	+						<u> </u>							
	AH	-	Н	+	Н	+	-	<u> </u>				ļ							
	Al	-	H	+	H	t	-				<u> </u>								
	AJ	-	H	+	H	$^{+}$		1			<u></u>	-							
	AK		Н	+	Н	+	-					-							
	<u> </u>	Ŀ	Ш	!	Ш			FOREIGN PA	TENT DOCUME	NTS	L	L	L						
		00			NUMI		OATE		COUNTRY		CLASS	SUBCLASS	TRANSL	ATION					
	_	-	-		TT			-					YES	NO					
	AL	_	4	+	Н	+						ļ		-					
	МА			1	Ц	L	1												
	AN		Ш		Ш	1													
	AO		Ц	1	Ш	$\perp$													
0	AP		Ш	L	Ш								1711	-					
								(Including Aut											
N	AF	兔	Jaj	<u>s. J</u>	our,	na/	of Apol	Phys. Vol	21, No.6, )	une 1982	. pp. L3	375-23	76						
9"			Ή	157	Lon	, 0 C I S	Lone	in Curren	t-Valtage	Curve	for B	2.96	Ri'	0					
Λb			10		La		lunchai	Phys. Vol in Cucren ARRay in	Muse	same Fia	Id hu	MITTO	9.3	3					
9	AS		20	, An	,,,,,	2	ranciwi	i i i kag m	<u>a maca</u>	7000	7	1 270	2, 47						
۰۸		13	. 1	llac	(,	. 7	Talial	17(1) /20/	Kal 1980 au	389-39	1 "Pass	Harin	. 54	2.+					
JV 1	AT.		ıı.	R	(PL	Á	COMOI,	)7(1)Jan/ Perovskite	1 6.1.	R. Gill	ent o	+ - 1	CAC	6517					
EXAMINE	2		,	ν Ω	fi.		<u></u>	21003~10	DATE CONS	IDERED	(4)	4./							
			(	Jo	٣.	_/	<u> </u>			-7/17/	190								
· EXAMINE	R: 1e	iriol	8	fere		cons	/ idered, whe	ther or not citati	on is in conform	once with MPI	EP 609; Dro	w line throug	h citation	n if not					

in conformance and not considered. Include copy of this form with next communication to applicant.

		_		_		_			_				_		098			14		56		_	30	<del>,</del> _	
L	ST	OF I	REF	ER	EN	CE	s	СІ	TED	BY	APPL	I CAN	Т	APPLICANT 4 - 1											
		Usc	se	rer	al.	she	et.	s ii	f nec	essa	ry)			5	LING C	DATE .	81.		112	1					
			_		_		_				u	J.S. PA	TENT	DOC	ÜMEN										
EXAMINER NITIAL	AALA AA	DOCUMENT NUMBER							DA	TE					NAME				CLASS		SUBCLASS		SUBCLASS	FILIN IF APPR	G DATE
	AA			-																					
	AB			ļ																					
	AC	Ι																							
	AD																	*							
	ΑE	T				٦			_																
	AF	T	i .														_								
	AG	T	Ħ				T		_		-							-							
	АН	╁	H		1	H		H			+-														
	AI	H	H			Н	H											-							
	AJ	一	Н	1	1	H					+-										-				
	AK	1	H	+	+	٦				_	$\vdash$														
		_	Ш	!	_	Ш	Ш	Ц			FO	REIGN	PATI	ENT D	OCU	AENT:					Ĺ	1			
		100	DOCUMENT NUMBER DATE								T			UNTR	T DOCUMENTS				CLASS		SUBCLASS		TRANSLATION		
		DOCUMENT NOMBER						_	DATE														YES	NO	
	AL	L	Ц	4							1													ļ	
	AM					1										-									
	AN																								
	ΑO																								
-	AP																_							T -	
				(	TH	HE P	₹ 6	REF	ERE	NCE:	(Inc	luding	Autho	r, Tit	le, Da	ie, Pe	rtiner	ı Pa	es, E	(c.)					
ATZ	AR	14	7	Sin	J	6	lie	Ī	Film	าร	54 (	1918	) /a	9-1.	36	"Su	eera	Dnd	utin		Bafe	ζ.	Ri C	)	
MK	*×		Ce	ra	m	ic	t	11	ms	Pre	Dar	rd.	64 1	P.F.	Sovi	ttori	ing	1	4	2. K	BaPl Gil	hort	X .	3/	
		T-	-	_		_		-			r .	~ 1	"		7	, ,	7	-	Ζ.						

MK as 15 Proceedings of the 13th Conf. on Solid State Devices Tokyo, 1981 pp. 313-318

MK as 15 Proceedings of the 13th Conf. on Solid State Devices Tokyo, 1981 pp. 313-318

MK as 16 Europhysics lotters, 3(3) pp. 319-385(1987) "Suscept boility Measurements

Support High-T Superconductivity..." by J. G. Bednor, et al.

EXAMINER / Mark Ropec/

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include capy of this form with next communication to applicant.